

ATTACHMENT VI
TECHNOLOGY INNOVATIONS FUND
QUARTERLY PROJECT STATUS SUMMARY

November 29, 2004

On March 1, June 1, September 1, and December 1, E-Mail the following status information to the Council Chairman at [this address](#).

Department/Agency: LSU/Computing Services

Name of Project: Exploiting Linux Services in Louisiana

LTIF Log No.: 03/300

Project Coordinator: William Beyer, 225-578-1981, bill@lsu.edu

Project Status: On Schedule

Since the last report dated August 25, 2004, we have added a FICON card to the z/800 mainframe's configuration. In October, we gave a brief presentation of the project at the CISD conference in Baton Rouge, going over the general architecture and its capabilities, available applications, and contact information for interested state agencies. We have implemented monthly security updates to the Linux kernel in the virtual machines, as they become available. In November we applied several recommended updates to various applications and utilities that come bundled with the SuSE operating system.

Also in November, we completed moving the LSU web site to a Linux virtual machine in the z/800's production LPAR. This web site hosts several hundred specialty sites for various departments, student organizations, and faculty members. We were able to integrate all of the support IDs for these sites with the LSU Active Directory for identity management and with the IMS/DB2 based central authorization system for overall tracking and integrity. Several Python modules had to be developed to complete the web site move and integration into this infrastructure. Web site response and performance under current loads appears to be fine.

We added an additional 100GB of SAN based storage from our HP array to one of the Linux virtual machines serving the LSU library with Windows compatible disk space using the SAMBA utility. This SAN storage bypasses z/VM virtualization and is accessed directly by the Linux machine.

We have tested the upgrade of SuSE V8 to V9 and discovered some documentation errors. After correcting, the upgrade of a test Linux virtual machine went smoothly. We expect to upgrade sometime after the first of the year.

Date: November 29, 2004

Percent Complete: 60% as planned

Explanation¹:

¹Note: An explanation should be provided if the project's "percent complete" is behind the baseline "percent complete" established with the MOU.